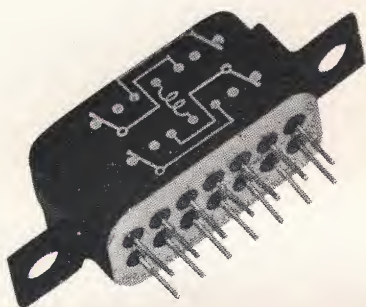




## FOUR POLE HALF-SIZE CRYSTAL CAN RELAY

**TYPE SR  
4 POLE**



### GENERAL INFORMATION

The Branson Type SR Half-Size crystal can relay, companion to the industry standard Type AR 4-Pole crystal can, is available in a variety of case and header styles with coils covering several standard voltage ranges. The same high standards of quality design, manufacture and control apply to the Type SR 4-Pole as apply to all Branson relay products.

The Type SR Half-Size crystal can, with its low profile design, provides the ultimate in shock and vibration resistance and permits closer stacking of printed circuit boards. Furthermore, the use of the tried and proven 4-Pole contact design assures top performance and reliability.

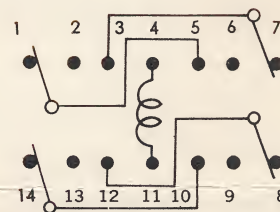
The Type SR relay permits extremely dense switching per unit volume. Connections are based on a standard 1/10" grid spacing.

The Branson fourteen pin socket is available for use with the plug-in mounting style.

COILS ARE AVAILABLE  
FOR THE FOLLOWING  
D.C. VOLTAGES

6  
12  
24  
48

SPECIAL COILS WILL  
BE PROVIDED WHEN  
REQUIRED.



Terminal Numbers For Reference Only

### ELECTRICAL SPECIFICATIONS

Contact Arrangement:

4 Form C 4PDT

Contact Rating:

2 amps. 28 VDC Resistive Load

Contact Resistance:

.05 ohms maximum

.10 ohms after life test

Life:

100,000 operations minimum

Operate Time:

5 milliseconds max.

Release Time:

5 milliseconds max.

Dielectric Strength:

500 volts rms.

Insulation Resistance:

100 megohms for all combinations of terminals  
and case

MEMBER



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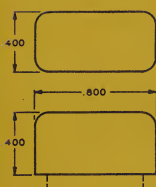
TYPE  
SR  
4 POLE



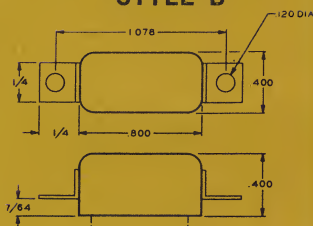
# FOUR POLE HALF-SIZE CRYSTAL CAN RELAY

## CASE STYLES

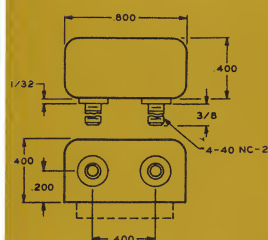
STYLE A



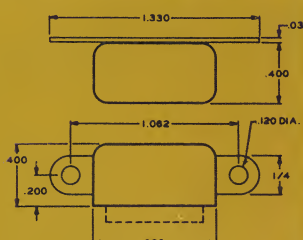
STYLE B



STYLE C

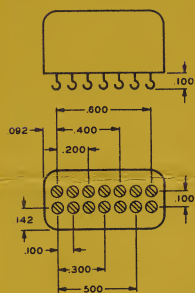


STYLE D

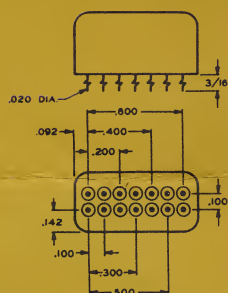


## HEADER STYLES

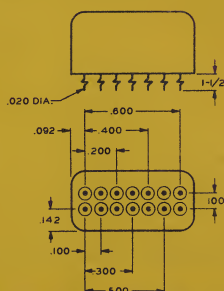
STYLE A



STYLE B



STYLE C



## MECHANICAL SPECIFICATIONS

Temperature Range .....-65° to +125°C Class B  
Vibration .....10— 2000 cps. Grade 4 (20G)  
Shock .....50 g 11 milliseconds Type 3  
Weight .....6-10 grams  
Volume .....0.13 cubic inches  
Enclosures and Headers .....See outline drawings  
Altitude .....Relay is hermetically sealed and filled with dry nitrogen.  
Humidity .....Housing has a durable black finish as well as non-corrosive plating.

MEETS REQUIREMENTS OF MIL-R-5757D AND ASSOCIATED ENVIRONMENTAL SPECIFICATIONS SUCH AS MIL-E-5272C

## ORDERING INFORMATION

Part numbers for the Type SR are made up as follows:

SR TYPE	CASE	CONTACTS	VOLTAGE	HEADER
Case styles:	A—Standard case B—Bracket mounting	4C(4PDT)	C—Stud mounting D—Flat mounting	
Contacts:	See chart			
Voltage:	Nominal voltage to be specified in this position			
Header:	A—Hook terminal B—Plug-in C—Wire leads			
Example:	SRC — 4C — 6A Style C case (2 mounting studs) Four pole double throw contacts 6 volt nominal operation Hook terminal header			

If for dry circuit application insert "D" before contact arrangement  
Example: SRC — D4C — 6A

BRANSON CORP.

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